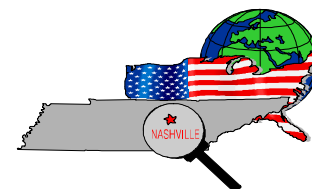


Notifiable Disease Surveillance Monthly Report

Metropolitan Public Health Department of Nashville and Davidson County

Date: January 7, 2003



December 2002 Reported Notifiable Diseases at a Glance

Disease	December 2002	Cumulative through December 2002	December 2001	Cumulative through December 2001
AIDS* - pages 3 & 4	8	218	6	197
HIV* - pages 3 & 4	21	314	14	311
Sexually Transmitted Diseases - page 3				
Chlamydia	150	2,117	187	2,089
Gonorrhea	117	1,390	129	1,639
Primary and Secondary Syphilis	2	26	0	77
Other Syphilis	26	267	10	297
Tuberculosis - page 8	5	64	8	67
Communicable Diseases ** - pages 5-7				
Gastrointestinal Diseases ¹	6	146	15	138
Hepatitis A	0	18	2	44
VRE & DRSP ²	3	73	8	88
<i>Neisseria meningitidis</i> Disease	0	5	0	7
Bacteremia and meningitis caused by:				
<i>Haemophilus influenzae</i>	0	5	1	2
Group A streptococcus	0	3	2	18
<i>Listeria monocytogenes</i>	0	0	0	0
Other Bacteria ³	0	3	0	8
Other Communicable Diseases ⁴	1	26	1	25
Vaccine-preventable Diseases** - pages 5 & 7				
Influenza-like Illness [^]	0	229	2	135
Other ⁵	0	13	0	4

*Includes both Davidson County residents and non-Davidson County residents

**Presented on this page by event date

[^]Includes cases reported as confirmed and probable

¹ Gastrointestinal diseases = campylobacteriosis, *E-coli* 0157:H7, giardiasis, salmonellosis, and shigellosis

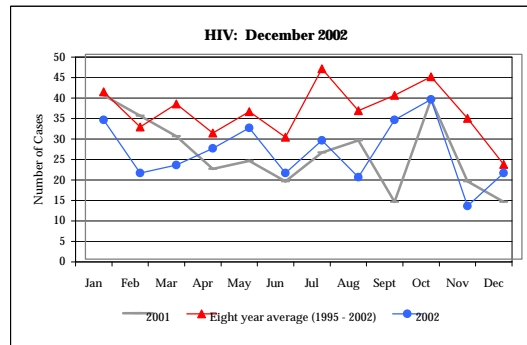
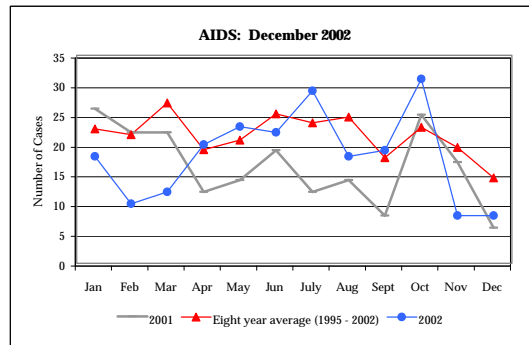
²VRE = Vancomycin resistant enterococci / DRSP = drug resistant *Streptococcus pneumoniae*

³See page 9 for a list of bacteria included in this category

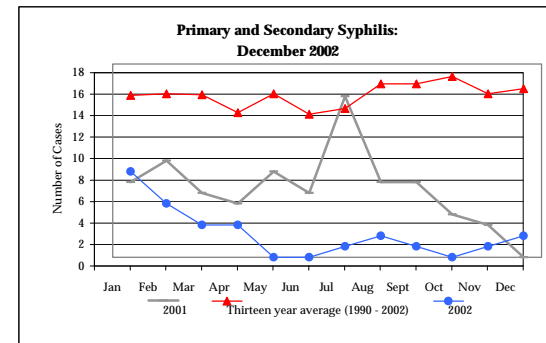
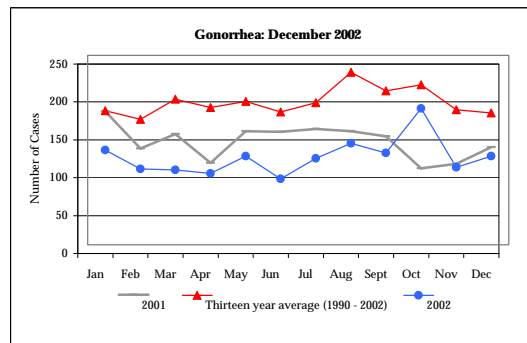
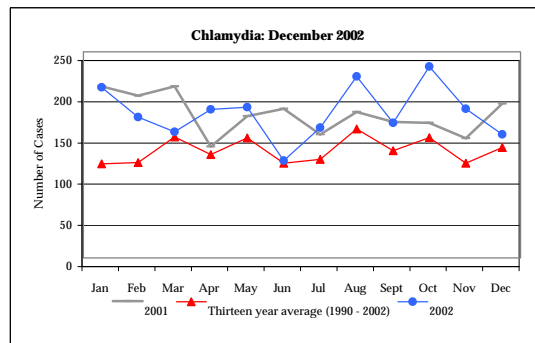
⁴Includes diseases listed in tables on pages 5 through 7 categorized as "Other"

⁵Includes diphtheria, measles, mumps, pertussis, and tetanus

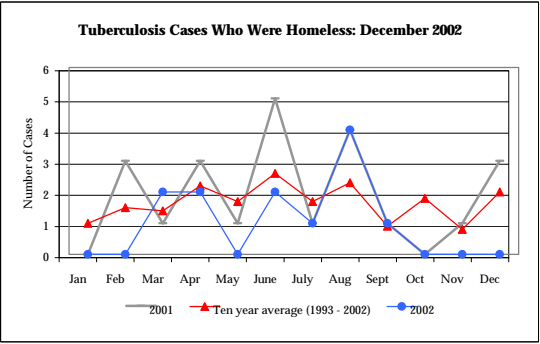
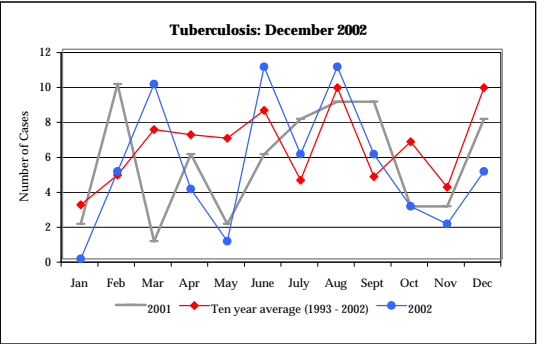
HIV/AIDS



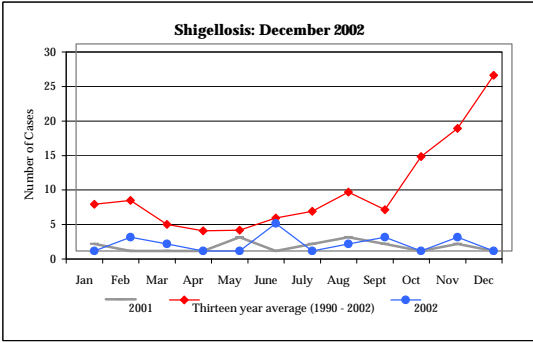
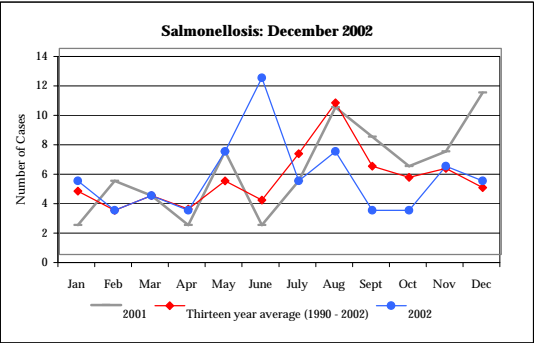
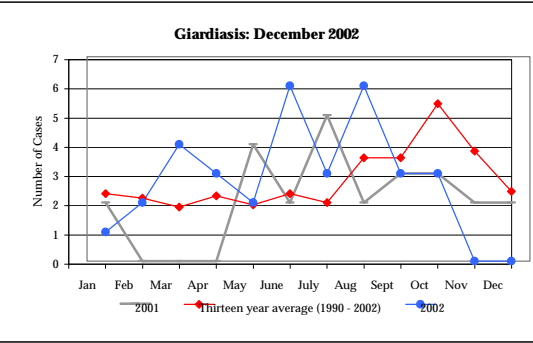
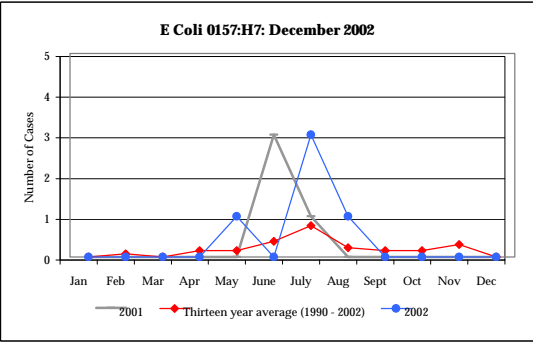
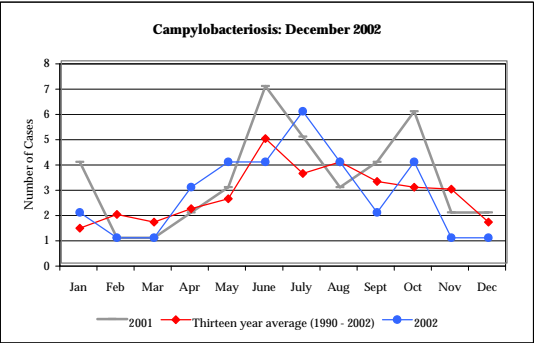
Sexually Transmitted Diseases



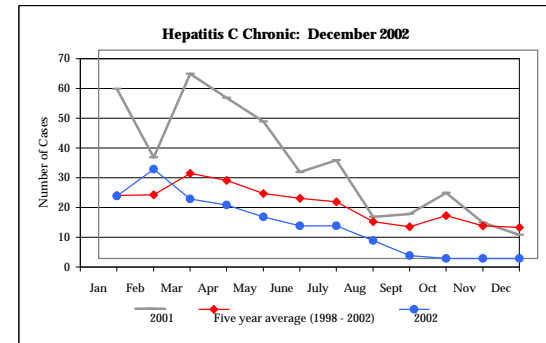
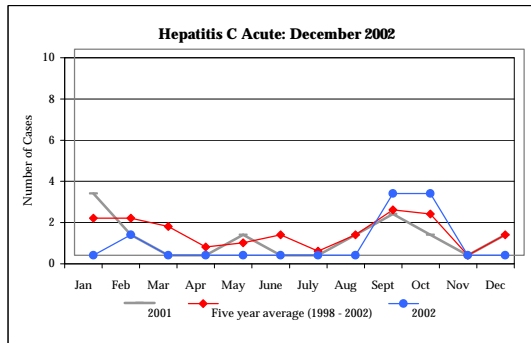
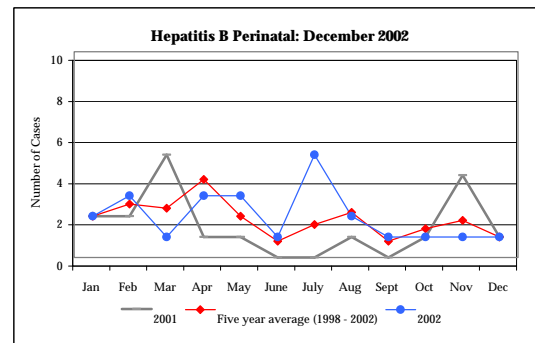
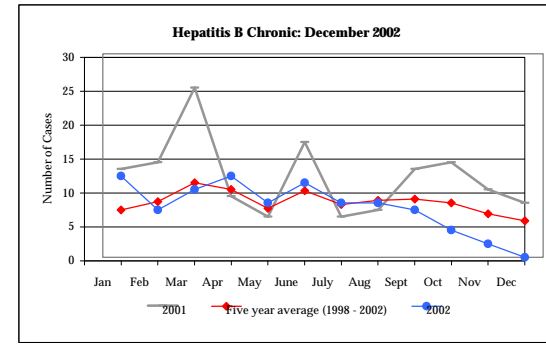
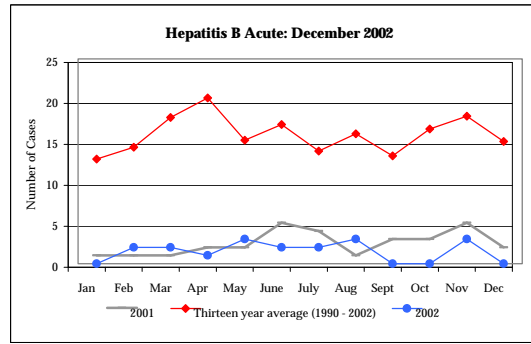
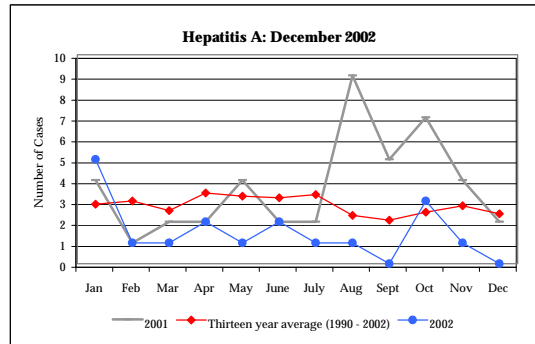
Tuberculosis



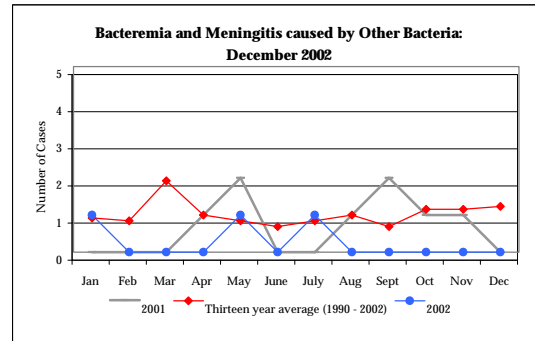
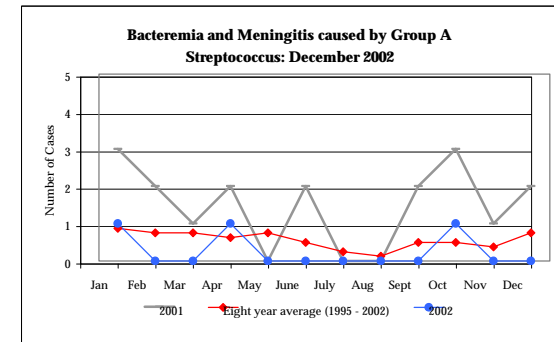
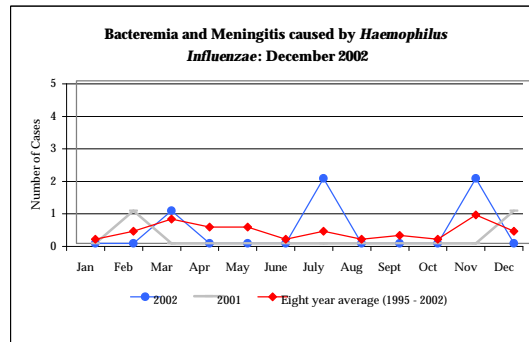
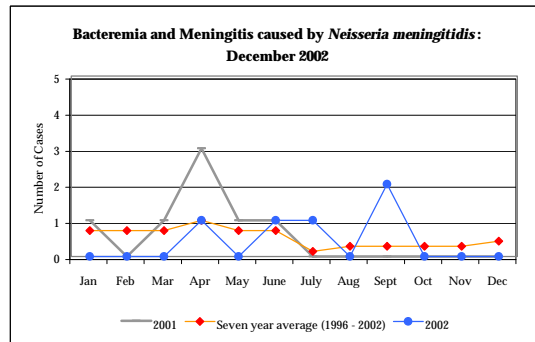
Gastrointestinal Diseases



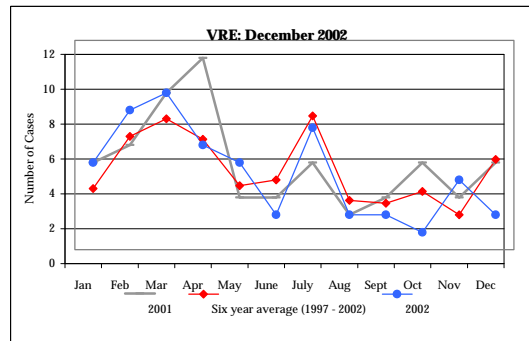
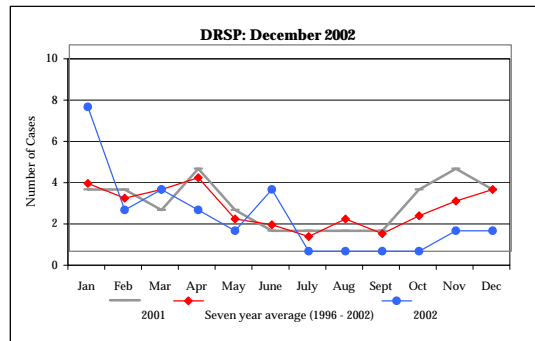
Hepatitis



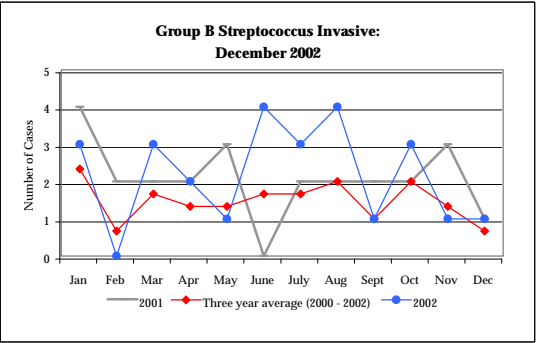
Meningitis



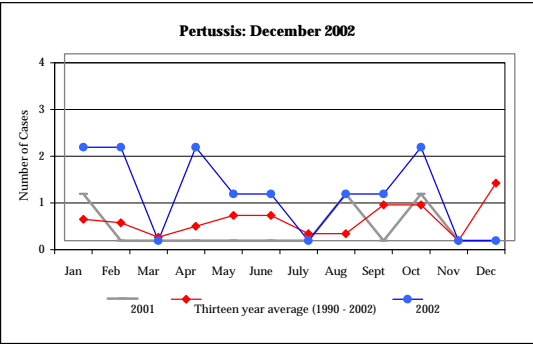
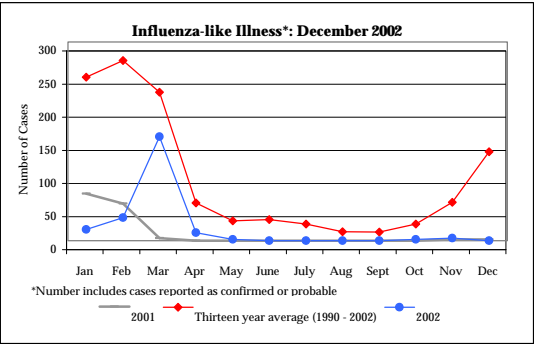
DRSP and VRE



Other Communicable Diseases



Vaccine-preventable Diseases



Notifiable Disease Surveillance Monthly Report: AIDS/HIV/STDs

Month: December, 2002 by Date of Report

Disease	Reported Cases	Place of Diagnosis		Race				Gender			Age										Previous Year
		MHD	Other	White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	December, 2001
AIDS/HIV																					
AIDS*	8		8	3	5			7	1				1	4	2	1					6
HIV*	21	10	11	8	12	1		19	2				1	5	9	3	3				14
Sexually Transmitted Diseases																					
Chlamydia	150	49	101	44	97	1	8	52	98		1		52	70	20	6	1				187
Gonorrhea	117	49	68	25	79	1	12	67	50				29	50	29	6	3				129
Syphilis, Primary	0																				0
Syphilis, Secondary	2	2		1	1				2					2							0
Syphilis, Congenital	0																				2
Syphilis, Other	26	7	19	6	20			14	12					3	10	7	4	1	1		10
Total Syphilis	28	9	19	7	21	0	0	14	14	0	0	0	0	5	10	7	4	1	1	0	12
Total STDs	295	107	188	76	197	2	20	133	162	0	1	0	81	125	59	19	8	1	1	0	328
Syphilis Cases Who Were Homeless	4	1	3	1	2	1		3	1						2	2					0
Cumulative Through December, 2002																					
AIDS/HIV																					
AIDS*	218	3	215	98	112	8		177	41				2	22	96	71	19	7	1		197
HIV*	314	57	257	153	148	13		251	63				16	75	113	76	25	7	2		311
Sexually Transmitted Diseases																					
Chlamydia	2,117	558	1,559	609	1,278	54	176	548	1,569		5		772	1,075	196	53	8	1		7	2,089
Gonorrhea	1,390	576	814	295	987	25	83	777	613			1	356	615	263	110	31	7	4	3	1,639
Syphilis, Primary	7	4	3	2	5			5	2				1	3	2	1					19
Syphilis, Secondary	19	7	12	6	13			11	8				2	6	5	2	3	1			58
Syphilis, Congenital	0																				3
Syphilis, Other	267	63	204	90	176	1		149	118				8	60	78	93	22	3	3		297
Total Syphilis	293	74	219	98	194	1	0	165	128	0	0	0	11	69	85	96	25	4	3	0	377
Total STDs	3,900	1,208	2,592	1,002	2,459	80	259	1,490	2,310	0	5	1	1,139	1,759	544	259	64	12	7	10	4,105
Syphilis Cases Who Were Homeless	11	6	5	2	8	1		9	2					2	2	7					NA

Blank space = No report received

Includes both Davidson County and non-Davidson County residents

Notifiable Disease Surveillance Monthly Report: AIDS/HIV Davidson County Resident Only

Month: December, 2002 by Date of Report

Disease	Reported Cases	Place of Diagnosis		Race				Gender			Age										Previous Year
		MHD	Other	White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	December, 2001
AIDS/HIV																					
AIDS	6		6	2	4			5	1					1	2	2	1				4
HIV	20	10	10	8	11	1		18	2				1	5	9	2	3				8
Cumulative Through December, 2002																					
AIDS/HIV																					
AIDS	154	3	151	56	93	5		124	30				2	16	64	52	13	6	1		124
HIV	230	54	176	97	125	8		181	49				13	53	84	51	21	6	2		210

Notifiable Disease Surveillance Monthly Report: AIDS/HIV Non-Davidson County Resident Only

Month:

December, 2002 by Date of Report

Disease	Reported Cases	Place of Diagnosis		Race				Gender			Age										Previous Year
		MHD	Other	White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	December, 2001
AIDS/HIV																					
AIDS	2		2	1	1			2							2						2
HIV	1		1		1			1								1					6
Cumulative Through December, 2002																					
AIDS/HIV																					
AIDS	64		64	42	19	3		53	11					6	32	19	6	1			73
HIV	84	3	81	56	23	5		70	14				3	22	29	25	4	1			101

Blank space = No report received

Notifiable Disease Surveillance Monthly Report: Communicable Disease/Vaccine-Preventable

Month: December, 2002 by Event Date

Disease	Reported Cases	Race				Gender			Age											Previous Year
		White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	December, 2001	
Gastrointestinal Diseases																				
Campylobacteriosis	1	1					1											1	2	
E-Coli 0157:H7																			2	
Giardiasis																			2	
Salmonellosis	5	2	1		2	3	2		1		1	1	1		1				11	
Shigellosis																				
Total	6	3	1	0	2	3	3	0	1	0	1	1	1	0	1	0	0	1	15	
Hepatitis A, B, and C																				
Hepatitis A																			2	
Hepatitis B																				
-Acute																			2	
-Chronic																			8	
-Perinatal	1				1		1						1						1	
Hepatitis C																				
-Acute																			1	
-Chronic																			8	
Total	1	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	22	
Bacterial Meningitis and Bacteremia																				
Neisseria meningitidis Disease																				
Bacteremia and meningitis caused by:																				
Haemophilus influenzae																			1	
Group A Streptococcus																			2	
Listeria monocytogenes																				
Other Bacteria																				
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
DRSP/VRE																				
DRSP	1	1				1											1		3	
VRE	2	1			1	2									2				5	
Total	3	2	0	0	1	3	0	0	0	0	0	0	0	0	2	0	1	0	8	
Other																				
Group B Streptococcus	1		1			1								1					1	
Total	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	
Total of Communicable Diseases	11	5	2	0	4	7	4	0	1	0	1	1	2	1	3	0	1	1	49	
Vaccine-preventable Diseases																				
Diphtheria																				
Influenza-like illness																			2*	
Measles																				
Mumps																				
Pertussis																				
Tetanus																				
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	

* 1 reported as confirmed case

Blank space = No report received

Notifiable Disease Surveillance Monthly Report: Communicable Disease/Vaccine-Preventable

Cumulative Through December, 2002 by Event Date

Disease	Reported Cases	Race				Gender			Age											Previous Year
		White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	December, 2001	
Gastrointestinal Diseases																				
Campylobacteriosis	33	10	2	3	18	21	12		2	3	4	6	4	6	5	1	1	1	40	
E-Coli 0157:H7	5	2			3	3	2		1	1	2						1		4	
Giardiasis	33	7	1		25	20	12	1	1	9	2	3	9	5	3			1	25	
Salmonellosis	63	20	16		27	30	32	1	9	13	6	16	7	2	5	3	2		69	
Shigellosis	12	5	2		5	7	5		1	7			3		1					
Total	146	44	21	3	78	81	63	2	14	33	14	25	23	13	14	4	4	2	138	
Hepatitis A, B, and C																				
Hepatitis A	18	3	3	2	10	11	7			1	2	5	4	3	2		1		44	
Hepatitis B																				
-Acute	18	4	6		8	13	5					3	8	3	4				30	
-Chronic	89	14	10	7	58	57	32			1	2	12	26	26	12	9	1		142	
-Perinatal	24		1	2	21		24					12	12						18	
Hepatitis C																				
-Acute	7	4		1	2	5	2				1		3	1	1	1			10	
-Chronic	132	66	36	4	26	78	54		1			4	13	80	28	4	2		384	
Total	288	91	56	16	125	164	124	0	1	2	5	36	66	113	47	14	4	0	628	
Bacterial Meningitis and Bacteremia																				
Neisseria meningitidis Disease	5	3	1		1	4	1			2				2	1				7	
Bacteremia and Meningitis caused by:																				
Haemophilus influenzae	5	2	2		1	4		1	1				1	1			2		2	
Group A Streptococcus	3	1	2			2	1								1	2			18	
Listeria monocytogenes																				
Other Bacteria	3		3			3			1	1			1						8	
Total	16	6	8	0	2	13	2	1	2	3	0	0	2	3	2	2	2	0	35	
DRSP/VRE																				
DRSP	20	6	7		7	10	10		1	2			1	4	6	1	4	1	28	
VRE	53	35	15		3	21	32		2	1	1		3	8	6	9	23		60	
Total	73	41	22	0	10	31	42	0	3	3	1	0	4	12	12	10	27	1	88	
Other																				
Group B Streptococcus	26	13	9		4	9	17		3			2		3	4	4	10		25	
Total	26	13	9	0	4	9	17	0	3	0	0	2	0	3	4	4	10	0	25	
Total of Communicable Diseases	549	195	116	19	219	298	248	3	23	41	20	63	95	144	79	34	47	3	914	
Vaccine-preventable Diseases																				
Diphtheria																				
Influenza-like Illness	229*				229			229										229	135**	
Measles																				
Mumps	1	1					1			1										
Pertussis	12	2	1		9	4	8		11	1									3	
Tetanus																			1	
Total	242	3	1	0	238	4	9	229	11	2	0	0	0	0	0	0	0	229	139	

*226 reported as confirmed cases of influenza
Blank space = No report received

**134 reported as confirmed cases

Notifiable Disease Surveillance Monthly Report: Hepatitis Risk Factors

Month: December, 2002 by Event Date

Risk Factor	Reported Cases	Information Not Available*	Race				Gender			Age										
			White	Black	Other	Unk	Male	Female	Unk	< 1	1 - 9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	
Hepatitis A																				
During the 2 - 6 weeks prior to illness:																				
Child/employee daycare																				
Household contact to child in daycare																				
Contact to case																				
Sexual																				
Household																				
Other																				
Foodhandler																				
Consume raw shellfish																				
Part of common-source outbreak																				
Travel																				
South/Central America																				
Africa																				
Caribbean																				
Middle East																				
Asia/South Pacific																				
Australia/New Zealand																				
Other																				
Duration																				
1 - 3 Days																				
4 - 7 Days																				
More than 7 Days																				
Total Reported Cases	0	0																		
Hepatitis B																				
During the 6 weeks - 6 months prior to illness:																				
Contact to case																				
Sexual																				
Household																				
Other																				
Employed in medical/dental field																				
Receive blood products																				
Associated with dialysis or kidney transplant unit																				
Inject street drugs																				
Sexual Preference																				
Heterosexual																				
Homosexual																				
Bisexual																				
Unknown																				
Number of sex partners																				
None																				
One																				
2 - 5																				
More than 5																				
Unknown																				
Dental surgery																				
Other surgery																				
Acupuncture																				
Tattoo																				
Accidental needle stick																				
Object contaminated with blood																				
Received 3 dose hepatitis B series																				
Yes																				
No																				
Total Reported Cases	0	0																		

*When the NETSS field for a specific risk factor is blank (not marked yes or no), that case will be reflected in the count for this column.
Information provided only when case answered positively for the respective risk factor.

Notifiable Disease Surveillance Monthly Report: Hepatitis Risk Factors

Cumulative through December, 2002 by Event Date

Risk Factor	Reported Cases	Information Not Available*	Race				Gender			Age											
			White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk		
Hepatitis A																					
During the 2 - 6 weeks prior to illness:																					
Child/employee daycare	1					1	1					1									
Household contact to child in daycare																					
Contact to case																					
Sexual																					
Household	1					1	1					1									
Other																					
Foodhandler	4				1	3	2	2						1	2	1					
Consume raw shellfish	1					1	1					1									
Part of common-source outbreak	1					1	1					1									
Travel																					
South/Central America	1					1	1										1				
Africa	1					1	1					1									
Caribbean																					
Middle East																					
Asia/South Pacific																					
Australia/New Zealand																					
Other	1					1		1				1									
Duration																					
1 - 3 Days																					
4 - 7 Days	1					1	1										1				
More than 7 Days	1					1		1				1									
Total Reported Cases	18	4																			
Hepatitis B																					
During the 6 weeks - 6 months prior to illness:																					
Contact to case																					
Sexual																					
Household																					
Other																					
Employed in medical/dental field	1				1			1						1							
Receive blood products																					
Associated with dialysis or kidney transplant unit																					
Inject street drugs																					
Sexual Preference																					
Heterosexual	13		4	5		4	9	4				3	5	3	2						
Homosexual																					
Bisexual																					
Unknown																					
Number of sex partners																					
None	2		1			1	2							1	1						
One	6		1	2		3	4	2				1	2	1	2						
2 - 5	3			3			2	1				2	1								
More than 5	2		2				1	1						1	1						
Unknown																					
Dental surgery	4		3			1	2	2						2	2						
Other surgery	4		3			1	3	1						3		1					
Acupuncture	1		1				1							1							
Tattoo	1		1					1						1							
Accidental needle stick																					
Object contaminated with blood																					
Received 3 dose hepatitis B series																					
Yes	2			1		1	2							1		1					
No																					
Total Reported Cases	18	5																			

*When the NETSS field for a specific risk factor is blank (not marked yes or no), that case will be reflected in the count for this column.
Information provided only when case answered positively for the respective risk factor.

Notifiable Disease Surveillance Monthly Report: Communicable Disease/Vaccine-Preventable **Month: December, 2002 by Date of Report**

Disease	Reported Cases	Race				Gender			Age											Previous Year
		White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	December, 2001	
Gastrointestinal Diseases																				
Campylobacteriosis	3	1			2	2	1					2						1	4	
E-Coli 0157:H7																				
Giardiasis	1	1					1							1					4	
Salmonellosis	9	2	3		4	4	5		3	1	1	2	1		1				17	
Shigellosis	1	1				1									1				1	
Total	14	5	3	0	6	7	7	0	3	1	1	4	1	1	2	0	0	1	26	
Hepatitis A, B, and C																				
Hepatitis A																			6	
Hepatitis B																				
-Acute	2	1			1	1	1							2					7	
-Chronic	7	3	1		3	3	4						1	4		2			21	
-Perinatal	2				2		2					1	1						4	
Hepatitis C																				
-Acute																			2	
-Chronic																			23	
Total	11	4	1	0	6	4	7	0	0	0	0	1	2	6	0	2	0	0	63	
Bacterial Meningitis and Bacteremia																				
Neisseria meningitidis Disease																				
Bacteremia and meningitis caused by:																				
Haemophilus influenzae																			1	
Group A Streptococcus																			3	
Listeria monocytogenes																				
Other Bacteria																				
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
DRSP/VRE																				
DRSP	2	1	1			1	1			1							1		8	
VRE	4	3			1	3	1								2	1	1		11	
Total	6	4	1	0	1	4	2	0	0	1	0	0	0	0	2	1	2	0	19	
Other																				
Group B Streptococcus Invasive	1		1			1								1					4	
Total	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	4	
Total of Communicable Diseases	32	13	6	0	13	16	16	0	3	2	1	5	3	8	4	3	2	1	116	
Vaccine-preventable Diseases																				
Diphtheria																				
Influenza-like illness	1*				1			1										1	2**	
Measles																				
Mumps																				
Pertussis																				
Tetanus																				
Total	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	2	

* Reported as confirmed case

**1 case reported as confirmed

Blank space = No report received

Notifiable Disease Surveillance Monthly Report: Communicable Disease/Vaccine-Preventable

Cumulative Through December, 2002 by Date of Report

Disease	Reported Cases	Race				Gender			Age											Previous Year
		White	Black	Other	Unk	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	December, 2001	
Gastrointestinal Diseases																				
Campylobacteriosis	34	10	2	3	19	22	12		4	2	4	6	4	6	5	1	1	1	40	
E-Coli 0157:H7	5	2			3	3	2		1	1	2						1		4	
Giardiasis	33	7	1		25	20	12	1	1	9	2	3	9	5	3			1	25	
Salmonellosis	64	20	16		28	31	32	1	10	13	6	16	7	2	5	3	2		69	
Shigellosis	12	5	2		5	7	5		1	7			3		1				8	
Total	148	44	21	3	80	83	63	2	17	32	14	25	23	13	14	4	4	2	146	
Hepatitis A, B, and C																				
Hepatitis A	18	3	3	2	10	11	7			1	2	5	4	3	2		1		44	
Hepatitis B																				
-Acute	18	4	6		8	13	5					3	8	3	4				30	
-Chronic	90	14	10	7	59	58	32		1	1	2	12	26	26	12	9	1		142	
-Perinatal	27		2	4	21		27					13	13	1					18	
Hepatitis C																				
-Acute	7	4		1	2	5	2				1		3	1	1	1			10	
-Chronic	135	67	38	4	26	80	55		4			4	13	80	28	4	2		386	
Total	295	92	59	18	126	167	128	0	5	2	5	37	67	114	47	14	4	0	630	
Bacterial Meningitis and Bacteremia																				
Neisseria meningitidis Disease	5	3	1		1	4	1			2				2	1				7	
Bacteremia and Meningitis caused by:																				
Haemophilus influenzae	5	2	2		1	4		1	1				1	1			2		2	
Group A Streptococcus	3	1	2			2	1								1	2			18	
Listeria monocytogenes																				
Other Bacteria	3		3			3			1	1			1						8	
Total	16	6	8	0	2	13	2	1	2	3	0	0	2	3	2	2	2	0	35	
DRSP/VRE																				
DRSP	20	6	7		7	10	10		1	2			1	4	6	1	4	1	28	
VRE	53	35	15		3	21	32		2	1	1		3	8	6	9	23		60	
Total	73	41	22	0	10	31	42	0	3	3	1	0	4	12	12	10	27	1	88	
Other																				
Group B Streptococcus Invasive	26	13	9		4	9	17		3			2		3	4	4	10		25	
Total	26	13	9	0	4	9	17	0	3	0	0	2	0	3	4	4	10	0	25	
Total of Communicable Diseases	558	196	119	21	222	303	252	3	30	40	20	64	96	145	79	34	47	3	924	
Vaccine-preventable Diseases																				
Diphtheria																				
Influenza-like Illness	229*				229			229										229	135**	
Measles																				
Mumps	1	1					1			1										
Pertussis	12	2	1		9	4	8		11	1									3	
Tetanus																			1	
Total	242	3	1	0	238	4	9	229	11	2	0	0	0	0	0	0	0	229	139	

*226 reported as confirmed cases of influenza

**134 reported as confirmed cases

Blank space = No report received

Notifiable Disease Surveillance Monthly Report: Tuberculosis
Month: December, 2002 by Date of Report

Site	Reported Cases	Place of Diagnosis		Race/Ethnicity						Gender			Age										Comments
		MHD	Other	White Non-Hisp	Black Non-Hisp	Hispanic	Amer. Ind/Alask. Nat.	Asian/Pac. Islander	Other	Male	Female	Unk	< 1	1-9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70+	Unk	
New Pulmonary Cases	4		4		4					3	1			1			1	1		1			
New Extrapulmonary Cases	1		1		1					1						1							
New Cases in Dual Sites																							
New Homeless Cases	0																						Total New Cases
Total New Cases	5		5		5					4	1			1		1	1	1		1			December 2001: 8
Cumulative Through December, 2002																							
Pulmonary																							
Total Cases	57	9	48	16	40	1		1		38	19		1	5	2	6	12	15	7	6	3		
Extrapulmonary																							
Total Cases	7		7	2	4			1		6	1			1		3	1			1	1		
Dual Sites																							
Total Cases																							
All Sites																							
Total Cases	64	9	55	18	44	1		2		44	20		1	6	2	9	13	15	7	7	4		
Total Homeless Cases	12	1	11	1	11					10	2					1	3	8					
Total Drug-resistant Cases	0																						Cumulative Total Thru
Total Multi-drug resistant Cases	0																						December 2001: 67
Total Cases with HIV Co-infection	7	1	6	1	6					6	1					1	2	3	1				
Total Cases Foreign Born < 5 Years	11	1	10	5	5			1		8	3			1		4	5		1				
Total Cases Foreign Born > 5 Years	4	1	3	2	1			1		4						2		1		1			

Blank space = No report received

Definitions and Technical Notes

1. Human Immunodeficiency Virus (HIV) / Acquired Immunodeficiency Syndrome (AIDS): Effective January 1, 2000, the Centers for Disease Control & Prevention (CDC) has established a new case definition for HIV infection in adults and children that includes revised surveillance criteria for HIV infection and incorporates the surveillance criteria for AIDS. For adults and children aged ≥ 18 months, the HIV surveillance case definition includes laboratory and clinical evidence specifically indicative of HIV infection and severe HIV disease. For children aged <18 months (except for those who acquired HIV infection other than by perinatal transmission), the HIV surveillance case definition updates the definition in the 1994 revised classification system. The revised case definition includes HIV nucleic acid (DNA or RNA) detection tests and permits reporting of cases based on the result of any test licensed for diagnosing HIV infection in the U.S. The entire case definition may be found in MMWR, December 10, 1999 / Vol.48 / No. RR-13.

Effective January 1, 1993, the CDC expanded the AIDS surveillance to include all HIV infected adolescents and adults aged greater than or equal to 13 years who have either a) less than 200 CD4+ T-lymphocytes/uL; b) a CD4+ T-lymphocyte percentage of total lymphocytes of less than 14%; or c) any of the following three clinical conditions: pulmonary tuberculosis, recurrent pneumonia, or invasive cervical cancer. The expanded definition retained the 23 clinical conditions in the AIDS surveillance case definition published in 1987.

2. Sexually Transmitted Diseases (STDs): Sexually transmitted diseases are infections one can acquire by having sex (vaginal, oral, and/or rectal) with another who has the infection. Viruses or bacteria can cause STDs. Although there are many types of STDs, only HIV/AIDS, chlamydia, gonorrhea, and syphilis are required to be reported to the health department and are presented in this report. HIV/AIDS cases are tabulated separately from other STDs for programmatic reasons.

3. Communicable/Vaccine-preventable Diseases: Communicable diseases in this report are a selected group of notifiable diseases that are reported to the Metropolitan Health Department of Nashville and Davidson County (MHD) regularly (other than AIDS/HIV, STDs, and TB). Other communicable diseases not listed in this report may be added as needed. Communicable diseases make up the largest portion of notifiable diseases, which are diseases that are required by law to be reported to the health department. Diseases that can be prevented by immunization include influenza, measles, mumps, polio, rubella (German measles), pertussis, diphtheria, tetanus, *Haemophilus influenzae* type b, hepatitis B, varicella (chickenpox), and others. Influenza, measles, diphtheria, mumps, pertussis, and tetanus are the six vaccine-preventable diseases listed regularly in this report, although others may be included as needed.

4. Tuberculosis: A chronic bacterial infection caused by *Mycobacterium tuberculosis* (MTB), characterized pathologically by the formation of granulomas. The most common site of infection is the lung, but other organs may be involved. A verified case of TB is a case that has laboratory confirmation of *Mycobacterium tuberculosis* (i.e., positive culture for MTB) or, in the absence of laboratory confirmation, a case that meets the clinical case definition. A clinical case meets all of the following criteria: 1.) It has a positive tuberculin skin test. 2.) Other signs and symptoms compatible with tuberculosis (e.g., an abnormal, unstable [i.e., worsening or improving] chest radiograph, or clinical evidence of current disease are present. 3.) There is treatment with two or more antituberculosis medications. 4.) A completed diagnostic evaluation. Because verification of a tuberculosis case according to the case definition as described above requires 6 – 8 weeks or longer, a case may be reported to the Tennessee Department of Health (TDOH) and presented in this report one to two months or longer after evaluation and care was initiated for the case. Following evaluation for tuberculosis, some persons are determined to not have a laboratory confirmation of MTB or to meet the clinical case definition for the disease, and are therefore not reported to the TDOH.

A TB case should not be counted twice within any consecutive 12-month period. However, cases in which the patients had previously had verified disease should be reported again if the patients were discharged from treatment. Cases also should be reported again if patients were lost to supervision for greater than 12 months and disease can be verified again. Mycobacterium diseases other than those caused by *M. tuberculosis* complex should not be counted in tuberculosis morbidity statistics unless there is concurrent tuberculosis. (Centers for Disease Control & Prevention case definition).

Information pertaining to tuberculosis cases who were homeless is provided beginning in December, 2000. Homeless is defined as:

- (1) An individual who lacks a fixed, regular, and adequate nighttime residence; or
- (2) An individual who has a primary nighttime residence that is:
 - (a) A supervised publicly or privately operated shelter designed to provide temporary living accommodations (including welfare hotels, congregate shelters, and transitional housing for the mentally ill); or
 - (b) An institution that provides a temporary residence for individuals intended to be institutionalized; or
 - © A public or private place not designated for, or ordinarily used as, a regular sleeping accommodation for human beings.

A homeless person may also be defined as a person who has no home, e.g., is not paying rent, does not own a home, and is not steadily living with relatives or friends. Another definition is a person who lacks customary and regular access to a conventional dwelling or residence. Included as homeless are persons who live on streets or in nonresidential buildings. Also included are residents of homeless shelters, shelters for battered women, welfare hotels, and single room occupancy (SRO) hotels which are not designated for permanent long-term housing. The term homeless is applied to any patient who meets the definition of homeless at any time during the 12 months prior to the time when the TB diagnostic evaluation was performed. (Definition from the TIMS User's Guide).

5. **Surveillance:** Continuous analysis, interpretation, and feedback of systematically collected data, generally using methods distinguished by their practicality, uniformity, and rapidity rather than by accuracy or completeness. By observing trends in time, place and persons, changes can be observed or anticipated and appropriate action, including investigative or control measures, can be taken. Sources of data may relate directly to disease or to factors influencing disease. Thus they may include (1) mortality and morbidity reports based on death certificates, hospital records, general practice sentinels, or notifications; (2) laboratory diagnoses; (3) outbreak reports; (4) vaccine utilization-uptake and side effects; (5) sickness absence records; (6) disease determinants such as biological changes in agent, vectors, or reservoirs; (7) susceptibility to disease, as by skin testing or serological surveillance (e.g., serum banks). This definition was taken from "A Dictionary of Epidemiology" third edition, edited by John M. Last, and published in 1995.

6. **Event Date:** Event date is defined as the earliest known date associated with the incidence of the disease. This date may be the date of disease onset, the date of clinical diagnosis, laboratory diagnosis, report to county health department, report to state health department, or as a last resort, any date associated with the case. For purposes of this report, event date is the date of laboratory diagnosis.

7. **Report Date:** Report date is defined as the date that the disease was reported to the Tennessee Department of Health. The report date is always a Saturday. For example, diseases displayed in this report by report date reflect those cases reported to the Tennessee Department of Health from the week ending the second Saturday of the month of the report to the week ending the first Saturday of the current month.

8. NETSS: National Electronic Transmitting Surveillance System
9. TIMS: Tuberculosis Information Management System
10. HARS: HIV/AIDS Reporting System
11. Cumulative totals for STD's, communicable diseases and vaccine-preventable diseases represent only the totals in 1999 and 2000 through the respective month being reported on in 1999 and 2000.
12. HIV/AIDS/STD data:
 - ◆ Provided by: Dan McEachern, Division of STD Control, and Nancy Horner
 - ◆ Date: January 8, 2003
 - ◆ Data Source: STD cases entered into the NETSS database by report date.
 - ◆ HIV/AIDS cases entered into the HARS database during the calendar month of the report.
 - ◆ **Please note:** Number of cases of HIV/AIDS may include both Davidson County residents and non-Davidson County residents. Resident vs. non-resident status is indicated page ten. STD data presented is Davidson County resident data only.
13. Communicable/Vaccine-preventable diseases data:
 - ◆ The data used to prepare the Communicable/Vaccine-preventable Diseases portion of this report were downloaded from NETSS on January 6, 2003 at the Metropolitan Health Department of Nashville and Davidson County by Nancy Horner, Division of Epidemiology.
 - ◆ Data presented is Davidson County resident data only.

In June 2000, changes were made in how bacterial meningitis and bacteremia are presented in the report. These changes were made to 1) make the data more easily interpreted and 2) to more closely represent the manner in which the diseases are reported to CDC through NETSS. The NETSS event numbers used to report these bacteria to the CDC include both cases of meningitis and bacteremia caused by the bacteria. In order to determine whether a reported case is meningitis or bacteremia requires entry into the secondary screens of the NETSS system where laboratory specifics are entered, such as 1) specimen from which the organism was isolated (blood, cerebrospinal fluid, pleural fluid, peritoneal fluid, pericardial fluid, joint, placenta, amniotic fluid, and other) and 2) type of infection caused by the organism (primary bacteremia, meningitis, otitis media, pneumonia, cellulitis, epiglottitis, peritonitis, pericarditis, septic abortion, amnionitis, septic arthritis, conjunctivitis, other); and 3) serogroup. This report will provide only the total numbers for the represented categories. For specific information pertaining to numbers of bacterial meningitis vs. bacteremia, contact Pam Trotter at Ext. 632.

The bacteria included in the "Other Bacteria" category include: Group B streptococcus, *Streptococcus pneumoniae*, *Escherichia coli*, *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Klebsiella* species, *Enterobacter* species, *Serratia* species, *Actinobacter* species, Group D streptococcus, and other streptococcus.

14. Tuberculosis data:

- ◆ Data pertaining to numbers of drug-resistant cases provided by Division of Tuberculosis Elimination.
- ◆ Date: Roslyn Gooch on October 10, 2002.
- ◆ Nancy Horner, Division of Epidemiology, ran the tuberculosis data from the TIMS database on January 7, 2003.
- ◆ Data Source: TIMS. Tuberculosis cases presented in this report reflect surveillance of new cases based on calendar month of report.
- ◆ **Please note:** Cases presented are primarily Davidson County residents, but may include some cases diagnosed, treated, and managed in Davidson County but residing in another county. Those cases not Davidson County residents will be so indicated on the report.

Because determination of drug/multi-drug resistance may require as long as 2 months, beginning with the October 2001 report this information will presented only as cumulative data. Similarly, HIV reports may not be available to accurately reflect by month the HIV status of each case so HIV Co-infection status will presented as cumulative data only.

In September of 2001, maps were added to the report. The maps are geographical representation of individual cases of diseases. The maps are produced using ArcView GIS Version 3.0.

In May of 2002, information pertaining to risk factors for hepatitis A and B were added to the report.